

## SPECIFICATIONS

### CHARGE CONTROLLER

- PWM for optimal solar charging
- >85% charger efficiency
- DC in charging range 16V max 1A
- DC output range 12V max 1A

### MOBILE/USB CHARGER

- 5v+- 5%/ 1A max

### BATTERY (Lithium Ion)

- 11.10V/2600 mAh (Lithium Ion)

### LED LIGHT SOURCE

- 1.6W x 3 cool white high power LED
- Constant current LED drive for entire operational range of battery
- PWM based LED dimming (3 brightness levels)
- >85% driver efficiency

### ENVIRONMENTAL

- Material: ABS body

### TEMPERATURE

- Working: -10c to 50c      Storage: -20c to 60c

### LUX VALUES

MODEL		LEVELS			
DIST.(ft)		1	2	3	4
HIGH	540	160	90	50	
MID	310	95	60	25	
LOW	100	35	20	5	

## APPLICATIONS



Dining



Poultry



Emergency



Kitchen



Education



Medical

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## USER MANUAL

### Solar LED Home Light System

Made in India

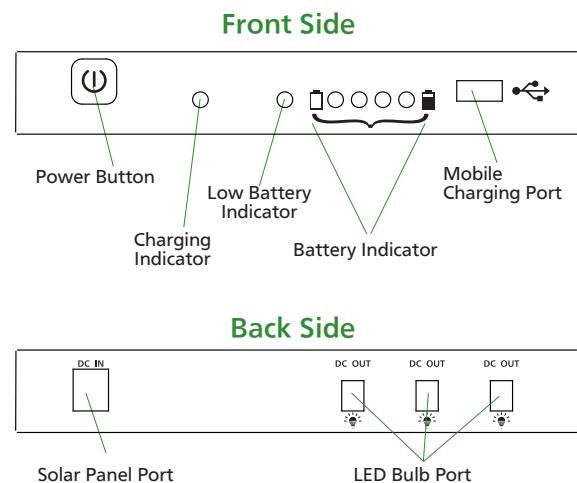
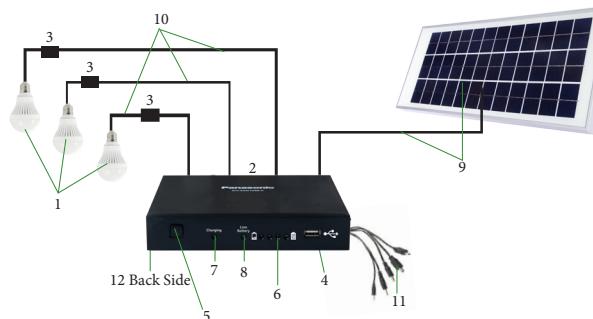
# Panasonic Solar LED Home Light System

BH-SSN10M-K

## PRODUCT OVERVIEW

1. LED Bulbs (1.6W each)
2. Charge Controller
3. 3 Mode Dimmer Switch
4. Mobile Charging Port
5. Power Button
6. Battery Indicator
7. Charging Indicator
8. Low Battery Indicator
9. 8Wp Solar Panel & Cable 6mtr
10. Bulb Holder & Cable (5mtr, 6.5mtr & 8.5mtr)
11. 5 in 1 Mobile Charging Cable
12. Wall Mount

Contents	Qty.
Charge Controller	1
Solar Panel with cable	1
5 in 1 Mobile Charging Cable	1
LED Bulb	3
Bulb Holder & Dimmer with cable	3
User Manual (English/Hindi)	1
Warranty Card	1
Clamps for Wire	10



## INDICATORS

In use	Battery Indicator will glow red based on battery levels
Fully Charged	All battery indicator will glow red & charging indicator will be off
Fully Discharged	Low battery indicator will glow red
Charging from Solar Panel	Charging Indicator will glow green

## MAINTENANCE

- Advised to charge your Solar LED Home Light System every day to keep battery life longer.
- Fully charge Solar LED Home Light System at least once a month to ensure that battery does not get damage.
- Use a moist cloth to clean solar panel regularly.
- In case of water spills, turn off the Solar LED Home Light System and let it dry before using it.
- If Charge Controller does not work, try charging it with solar panel.
- While charging ensure that solar panel is plugged in properly.
- Solar panel should be placed directly facing the sun to charge Solar LED Home Light System effectively. While charging make sure the Solar LED Home Light System is connected to the solar panel.
- If kept in shadow, or near a window in a room or wherever there is not enough sunlight the charging will not be effective.

**CAUTION:** Don't dispose off battery in household waste or in fire as they may explode. Dispose according to local regulations. Recycle when possible.

## BACKUP TIME (Hrs)

LEVELS	High	Mid	Low
Solar Charging (6a.m - 6p.m)	4	7	24
CLOUDY	2	3.5	12

**Please Note:** The Solar LED Home Light System will charge slowly on cloudy/unclear days.

## HOW TO INSTALL

- Solar LED home light system has to be activated by charging before first use
- Put the solar panel in open area, south facing.
- Keep the charge controller & LED bulbs in covered area.
- Connect the solar panel charging cable into the solar panel input at the charge controller.
- To use the LED bulbs connect the LED bulb connectors at the backside of charge controller at LED bulb output

## USAGE INSTRUCTIONS

- Press the power button of the charge controller to start the operation
- Use the dimmer switch to control the brightness level to Low, Medium or High
- Use 5 in 1 charging cable to charge the mobile.
- To turn off press the power button again.